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1 A parallel hill climbing algorithm for pushing dependent data in clients-providers-servers systems
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*Azagury, A.; Canetti, R.; Factor, M.; Halevi, S.; Henis, E.; Naor, D.; Rinetzky, N.;
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6 Adaptive congestion control in infrastructure wireless LANs with bounded medium access delay
Heng Xu; Qi Xue; Ganz, A.;
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8 **A MAC protocol for real-time manufacturing traffic in client-server-based high speed broadcast networks**
Liu, J.C.; Yuang, M.C.; Chwan-Hwa Wu;
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Parallel and Distributed Systems, IEEE Transactions on , Volume: 12 , Issue: 7 , July 2001
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Overstreet, J.W.; Tzes, A.;
Control Systems Magazine, IEEE , Volume: 19 , Issue: 5 , Oct. 1999
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Bestavros, A.;
Parallel and Distributed Processing, 1995. Proceedings. Seventh IEEE Symposium on , 25-28 Oct. 1995
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IEEE CNF

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threshold network access client ip address configuration filter beacon control   Found **40,411** of **150,885**

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1 Cluster-based scalable network services   ◼
   Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
   October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth
                ACM symposium on Operating systems principles**, Volume 31 Issue 5
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2 Dynamic network reconfiguration support for mobile computers   ◼
   Jon Inouye, Jim Binkley, Jonathan Walpole
   September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on
                 Mobile computing and networking**
   Full text available: 📄 pdf(1.60 MB)   Additional Information: full citation, references, citings, index terms

3 Network layer access control for context-aware IPv6 applications   ◼
   Adrian Friday, Maomao Wu, Joe Finney, Stefan Schmid, Keith Cheverst, Nigel Davies
   July 2003 **Wireless Networks**, Volume 9 Issue 4
   Full text available: 📄 pdf(3.57 MB)   Additional Information: full citation, abstract, references, index terms

   As part of the Lancaster GUIDE II project, we have developed a novel wireless access point
   protocol designed to support the development of next generation mobile context-aware
   applications in our local environs. Once deployed, this architecture will allow ordinary
   citizens secure, accountable and convenient access to a set of tailored applications including
   location, multimedia and context based services, and the public Internet. Our architecture
   utilises packet marking and network level packet ...

   Keywords: authentication, mobile IPv6, public access point, security, wireless Internet

4 A framework for the transmission of streaming media to mobile devices   ◼
   Kevin Curran, Gerard Parr
   January 2002 **International Journal of Network Management**, Volume 12 Issue 1
   Full text available: 📄 pdf(302.57 KB)   Additional Information: full citation, abstract, references, index terms

   One interesting problem is the delay imposed upon mobile receivers when switching
   between wireless cells. We provide a solution to this in the form of an extension of Mobile
   IP's handoff algorithm. Our solution involves the exploitation of mobility prediction to predict

a mobile terminal's future location based on its previous history (i.e. the last cell that it has been in) and for the media stream to be already present and cached by next cells base station ready for receiving by the mobile dev ...

5 On providing support for protocol adaptation in mobile wireless networks

Pradeep Sudame, B. R. Badrinath

January 2001 **Mobile Networks and Applications**, Volume 6 Issue 1

Full text available: pdf(146.48 KB)   Additional Information: full citation, references, citings, index terms

Keywords: adaptivity, mobility, protocols, wireless networks

6 Transport protocols: A receiver-centric transport protocol for mobile hosts with heterogeneous wireless interfaces

Hung-Yun Hsieh, Kyu-Han Kim, Yujie Zhu, Raghupathy Sivakumar

September 2003 **Proceedings of the 9th annual international conference on Mobile computing and networking**

Full text available: pdf(577.61 KB)   Additional Information: full citation, abstract, references, index terms

Numerous transport protocols have been proposed in related work for use by mobile hosts over wireless environments. A common theme among the design of such protocols is that they specifically address the distinct characteristics of the last-hop wireless link, such as random wireless errors, round-trip time variations, blackouts, handoffs, etc. In this paper, we argue that due to the defining role played by the wireless link on a connection's performance, locating the intelligence of a transport ...

Keywords: bandwidth aggregation, heterogeneous wireless networks, multi-homed mobile host, seamless handoff, server migration

7 Physical interface: Fine-grained network time synchronization using reference broadcasts

Jeremy Elson, Lewis Girod, Deborah Estrin

December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI

Full text available: pdf(2.10 MB)   Additional Information: full citation, abstract, references, citings

Recent advances in miniaturization and low-cost, low-power design have led to active research in large-scale networks of small, wireless, low-power sensors and actuators. Time synchronization is critical in sensor networks for diverse purposes including sensor data fusion, coordinated actuation, and power-efficient duty cycling. Though the clock accuracy and precision requirements are often stricter than in traditional distributed systems, strict energy constraints limit the resources available ...

8 DOS protection: Using graphic turing tests to counter automated DDoS attacks against web servers

William G. Morein, Angelos Stavrou, Debra L. Cook, Angelos D. Keromytis, Vishal Misra, Dan Rubenstein

October 2003 **Proceedings of the 10th ACM conference on Computer and communications security**

Full text available: pdf(256.83 KB)   Additional Information: full citation, abstract, references, index terms

We present WebSOS, a novel overlay-based architecture that provides guaranteed access to a web server that is targeted by a denial of service (DoS) attack. Our approach exploits two key characteristics of the web environment: its design around a human-centric interface, and the extensibility inherent in many browsers through downloadable "applets." We guarantee access to a web server for a large number of *previously unknown* users, without

requiring pre-existing <u>trust</u> relationships between ...

Keywords: <u>Java</u>, graphic turing tests, <u>web</u> proxies

9   <u>SOS: secure overlay services</u>   ■
Angelos D. Keromytis, Vishal Misra, Dan Rubenstein
August 2002 **ACM SIGCOMM <u>Computer</u> Communication Review , Proceedings of the
             2002 conference on Applications, technologies, architectures, and
             protocols for <u>computer</u> communications**, Volume 32 Issue 4

Full text available: ⏷<u>pdf(210.90 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u>
                                                                                      <u>terms</u>

Denial of service (DoS) attacks continue to threaten the reliability of <u>networking</u> systems.
Previous approaches for protecting networks from DoS attacks are reactive in that they wait
for an attack to be launched before taking appropriate measures to protect the <u>network</u>.
This leaves the door open for other attacks that use more sophisticated methods to mask
their <u>traffic</u>.We propose an architecture called Secure Overlay Services (SOS) that
proactively prevents DoS attacks, geared toward supportin ...

Keywords: denial of service attacks, <u>network security</u>, overlay networks

10 <u>Fast detection of communication patterns in distributed executions</u>   ■
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies
              on Collaborative research**

Full text available: ⏷<u>pdf(4.21 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Understanding distributed applications is a tedious and difficult task. Visualizations based on
process-time diagrams are often used to obtain a better understanding of the execution of
the application. The visualization tool we use is Poet, an event tracer developed at the
<u>University</u> of Waterloo. However, these diagrams are often very complex and do not provide
the user with the desired overview of the application. In our experience, such <u>tools</u> display
repeated occurrences of non-trivial commun ...

11 <u>The state of the art in locally distributed Web-server systems</u>   ■
Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu
June 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 2

Full text available: ⏷<u>pdf(1.41 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u>
                                                                                      <u>terms</u>

The overall increase in <u>traffic</u> on the World Wide <u>Web</u> is augmenting user-perceived
response times from popular <u>Web</u> sites, especially in conjunction with special events.
System platforms that do not replicate information content cannot provide the needed
scalability to handle large <u>traffic</u> volumes and to match rapid and dramatic changes in the
number of clients. The need to improve the performance of Web-based services has
produced a variety of novel content delivery architectures. This article w ...

Keywords: Client/server, World Wide <u>Web</u>, cluster-based architectures, dispatching
algorithms, distributed systems, load balancing, routing mechanisms

12 <u>Voice over IP versus voice over frame relay</u>   ■
Pauline P. Francis-Cobley, Adrian D. Coward
July 2004 **International Journal of <u>Network Management</u>**, Volume 14 Issue 4

Full text available: ⏷<u>pdf(185.08 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This paper presents a comparison of the voice-enabling features of the <u>Internet</u> protocol (IP)

and frame relay (FR) networks. The discussion focuses on the issues that affect the quality of service of voice applications and the relative suitability of IP and FR for delivering voice applications. This independent assessment serves to assist <u>network</u> managers in decision-making regarding suitable packetized voice solutions.

13 <u>Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining</u>
Robbert Van Renesse, Kenneth P. Birman, Werner Vogels
May 2003 **ACM Transactions on <u>Computer</u> Systems (TOCS)**, Volume 21 Issue 2

Full text available: 📄 <u>pdf(341.62 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Scalable <u>management</u> and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information <u>management</u> system called Astrolabe. Astrolabe collects large-scale system state, permitting rapid updates and providing on-the-fly attribute aggregation. This latter capability permits an application to locate a resource, and also offers a scalable way to track sys ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership, publish-subscribe, scalability

14 <u>Trunking of TDM and narrowband services over IP Networks</u>
James Aweya
January 2003 **International Journal of <u>Network</u> <u>Management</u>**, Volume 13 Issue 1

Full text available: 📄 <u>pdf(418.58 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The recent interest in IP as the vehicle for transporting TDM and narrowband services stems from the possibility of using a common transport <u>network</u> for voice, <u>video</u>, and data, and the flexibility with which new services can be introduced. A key step in the evolution of networks towards a 'broadband' IP-based environment is the 'graceful' interworking of the IP networks with the existing networks and services, particularly with the circuit switched <u>telephone</u> <u>network</u>. A &I ...

15 <u>DOS protection: Hop-count filtering: an effective defense against spoofed DDoS traffic</u>
Cheng Jin, Haining Wang, Kang G. Shin
October 2003 **Proceedings of the 10th ACM conference on <u>Computer</u> and communications <u>security</u>**
Full text available: 📄 <u>pdf(213.86 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

IP spoofing has been exploited by Distributed Denial of Service (DDoS) attacks to (1) conceal flooding sources and localities in flooding <u>traffic</u>, and (2) coax legitimate hosts into becoming reflectors, redirecting and amplifying flooding <u>traffic</u>. Thus, the ability to filter spoofed IP packets near victims is essential to their own protection as well as to their avoidance of becoming involuntary DoS reflectors. Although an attacker can forge any field in the IP header, he or she cannot falsify t ...

Keywords: DDoS defense, TTL, host-based, <u>networking</u>, <u>security</u>

16 <u>A wireless public access infrastructure for supporting mobile context-aware IPv6 applications</u>
Adrian Friday, Maomao Wu, Stefan Schmid, Joe Finney, Keith Cheverst, Nigel Davies
July 2001 **Proceedings of the first workshop on <u>Wireless</u> mobile <u>internet</u>**
Full text available: 📄 <u>pdf(768.12 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This paper presents a novel <u>wireless</u> access point architecture designed to support the

development of next generation mobile context-aware applications over metropolitan scale areas. In addition, once deployed, this <u>network</u> will allow ordinary citizens secure, accountable and convenient access to the <u>Internet</u> from their local city and campus environments.

The proposed architecture is based on an approach utilising a modified Mobile IPv6 protocol stack that uses packet marking ...

Keywords: authentication, mobile IPv6, public access point, <u>security,</u> <u>wireless</u> <u>internet</u>

17 <u>Exploiting path diversity in mobile systems: A mechanism for host mobility</u> <u>management supporting application awareness</u>
Arjan Peddemors, Hans Zandbelt, Mortaza Bargh
June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services**
Full text available: pdf(499.48 KB)   Additional Information: <u>full citation, abstract, references, index terms</u>

Many approaches exist today that address the issues that arise when a mobile node changes its point(s) of attachment to the <u>Internet</u>. Mobile IP takes care of <u>host</u> mobility at the IP layer; others at the transport layer (Mobile SCTP) or at the application layer (SIP with re-invite). In practice, most of these approaches rely on functionality residing on the mobile <u>host</u> that scans, detects and activates the networks available through one or more network interfaces.The mechanism proposed in this pa ...

Keywords: application awareness, <u>host</u> mobility, mobility <u>management</u>

18 <u>Self-configuring localization systems: Design and Experimental Evaluation</u>
Nirupama Bulusu, John Heidemann, Deborah Estrin, Tommy Tran
February 2004 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 3 Issue 1
Full text available: pdf(261.39 KB)   Additional Information: <u>full citation, abstract, references, citings, index terms</u>

Embedded networked sensors promise to revolutionize the way we interact with our physical environment and require scalable, ad hoc deployable and energy-efficient node localization/positioning.This paper describes the motivation, <u>design</u>, implementation, and experimental evaluation (on sharply resource-constrained devices) of a *self-configuring* localization system using radio beacons. We identify beacon *density* as an important parameter in determining localization quality, which sat ...

Keywords: Location, localization, self-configuration, sensor networks

19 <u>Stateful distributed interposition</u>
John Reumann, Kang G. Shin
February 2004 **ACM Transactions on <u>Computer</u> Systems (TOCS)**, Volume 22 Issue 1
Full text available: pdf(833.84 KB)   Additional Information: <u>full citation, abstract, references, index terms</u>

Interposition-based system enhancements for multitiered servers are difficult to build because important system context is typically lost at application and machine boundaries. For example, resource quotas and user identities do not propagate easily between cooperating services that execute on different hosts or that communicate with each other via intermediary services. Application-transparent system enhancement is difficult to achieve when such context information is obscured by complex servic ...

Keywords: Distributed computing, component services, distributed context, multitiered services, operating systems, <u>server</u> consolidation

20 <u>Mobile networking in the Internet</u>   ▬

Charles E. Perkins

December 1998 **Mobile Networks and Applications,** Volume 3 Issue 4

Full text available: <u>pdf(166.90 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

<u>Computers</u> capable of attaching to the <u>Internet</u> from many places are likely to grow in popularity until they dominate the population of the <u>Internet</u>. Consequently, protocol research has shifted into high gear to develop appropriate <u>network</u> protocols for supporting mobility. This introductory article attempts to outline some of the many promising and interesting research directions. The papers in this special issue indicate the diversity of viewpoints within the research community, and it is ...

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S11	8033	client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/28 10:28
S12	287	(client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/28 10:31
S13	211	((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and configur$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/28 10:31

S14	39	(((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/28 10:32
S15	32	((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/28 10:33
S16	31	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and previous$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:00
S17	97	((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 05:48
S18	23	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 05:50
S19	74	((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))) and (second near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 05:50
S20	32	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:00

S21	32	(((((client and (server provider) and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:01
S22	0	((((((client and (server provider) and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:01
S23	10	((((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4))) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:08
S24	25	((((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:09
S25	29	((((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:09

S26	479	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:10
S27	191	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:49
S28	96	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/01 06:11
S29	29	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:38
S30	6	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and beacon	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:52
S31	9	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3 and (beacon ack acknowledgement)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:39
S32	7	(((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3 and (beacon ack acknowledgement)) not ((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and beacon)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:39

S33	45	(((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:50
S34	25	(((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:50
S35	6	((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:51

S36	17759	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:53
S37	463	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:55
S38	462	(((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)) not (((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not (((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:54
S39	25	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3). ab.))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/12 16:55

| S40 | 30035554 | not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not (((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/12 16:58 |

S41	24	(((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3).ab.))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/13 18:27
S42	10308	client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S43	355	(client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S44	267	((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and configur$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S45	49	(((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

S46	37	((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S47	35	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and previous$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S48	122	((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S49	26	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S50	96	((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))) and (second near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S51	36	(((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

S52	36	(((((client and (server provider) and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S53	0	((((((client and (server provider) and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 old$3)) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S54	11	(((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4))) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S55	30	(((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and (previous$4 old$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S56	35	(((((client.ab. and (server provider).ab. and (tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

S57	614	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S58	263	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S59	122	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S60	35	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S61	10	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and beacon	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S62	12	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3 and (beacon ack acknowledgement)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S63	9	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3 and (beacon ack acknowledgement)) not (((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and beacon)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

S64	65	((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S65	29	(((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S66	8	(((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

S67	22140	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S68	595	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S69	594	(((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3)))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)) not (((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not (((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S70	28	((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3). ab.))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26

| S71 | 31364913 | not ((((((((tabl\$3 databas\$3) and limit\$4 and (max\$5 maximum\$3 threshold\$3)) and limit\$4.ab.)) and (encrypt\$4 decrypt\$4))) and ip and (ack beacon acknowledgement)) not ((((((((tabl\$3 databas\$3) and limit\$4 and (max\$5 maximum\$3 threshold\$3)) and limit\$4.ab.)) and (encrypt\$4 decrypt\$4))) and ((previous\$4 old\$3) near\$5 address) and ip and filter\$3) not (((client and (server provider) and (tab\$3 databas\$3) and limit\$4 and (max\$5 maximum\$3 threshold\$3) and filter\$4) and limit\$4.ab.) and (configur\$4 same limit\$4)) not ((((((client and (server provider) and (tab\$3 databas\$3) and limit\$4 and (max\$5 maximum\$3 threshold\$3) and filter\$4) and limit\$4.ab.) and (configur\$4 same limit\$4)) and (encrypt\$4 decrypt\$4)) and ip) and (previous\$4 same (access\$4 authoriz\$4 authenticat\$4)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/01 12:26 |

S72	27	(((((((tabl$3 databas$3) and (limit$4 max$5 maximum$3 threshold$3).ab.))) and (encrypt$4 decrypt$4))) and (ip and beacon signal acknowledgement ack) and ((first second) adj address)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ip and (ack beacon acknowledgement)) not ((((((((tabl$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3)) and limit$4.ab.)) and (encrypt$4 decrypt$4))) and ((previous$4 old$3) near$5 address) and ip and filter$3) not (((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) not ((((((client and (server provider) and (tab$3 databas$3) and limit$4 and (max$5 maximum$3 threshold$3) and filter$4) and limit$4.ab.) and (configur$4 same limit$4)) and (encrypt$4 decrypt$4)) and ip) and (previous$4 same (access$4 authoriz$4 authenticat$4))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S73	2957	network$4 and (beacon same signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S74	785	S73 and (lan wan)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S75	230	S73 and (lan wan)	USPAT	OR	ON	2005/03/01 12:26
S76	223	S75 and (limit$4 threshold$4 max$4 maximum greater less)	USPAT	OR	ON	2005/03/01 12:26
S77	209	S75 and ((limit$4 threshold$4 max$4 maximum) and (greater less compar$4))	USPAT	OR	ON	2005/03/01 12:26
S78	97	S75 and ((first second) same address$4)	USPAT	OR	ON	2005/03/01 12:26

S79	392	client$3 and (beacon same signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 12:26
S80	114	client$3 and (beacon same signal)	USPAT; DERWENT	OR	ON	2005/03/01 12:26
S81	37	S80 and ((first second) same address$4) and ((frequenc$4 limit$4 threshold$4 max$4 maximum) and (greater less compar$4))	USPAT; DERWENT	OR	ON	2005/03/01 12:26
S82	77	S80 not S81	USPAT; DERWENT	OR	ON	2005/03/01 12:26